

1	1	ACA	GTC	AGC	CGC	ATG	GCT	CCC	CTG	TGC	CCC	AGC	CCC	TGG	CTC	CTG	L	12
																		48
13	49	L	I	P	A	P	A	P	G	L	T	V	Q	L	L	L	S	28
		TTG	ATC	CCG	GCC	CCT	GCT	CCA	GGC	CTC	ACT	GTG	CAA	CTG	CTG	CTG	TCA	96
29	97	L	L	L	L	M	P	V	H	P	Q	R	L	P	R	M	Q	44
		CTG	CTG	CTT	CTG	ATG	CCT	GTC	CAT	CCC	CAG	AGG	TTG	CCC	CGG	ATG	CAG	144
45	145	E	D	S	P	L	G	G	G	S	S	G	E	D	D	P	L	60
		GAG	GAT	TCC	CCC	TTG	GGA	GGA	GGC	TCT	TCT	GGG	GAA	GAT	GAC	CCA	CTG	192
61	193	G	E	E	D	L	P	S	E	E	D	S	P	R	E	E	D	76
		GGC	GAG	GAG	GAT	CTG	CCC	AGT	GAA	GAG	GAT	TCA	CCC	AGA	GAG	GAG	GAT	240
77	241	P	P	G	E	E	D	L	P	G	E	E	D	L	P	G	E	92
		CCA	CCC	GGA	GAG	GAT	CTA	CCT	GGA	GAG	GAT	CTA	CCT	GGA	GAG	GAG	GAG	288
93	289	E	D	L	P	E	V	K	P	K	S	E	E	E	G	S	L	108
		GAG	GAT	CTA	CCT	GAA	GTT	AAG	CCT	AAA	TCA	GAA	GAA	GAG	GGC	TCC	CTG	336
109	337	K	L	E	D	L	P	T	V	E	A	P	G	D	P	Q	E	124
		AAG	TTA	GAG	GAT	CTA	CCT	ACT	GTT	GAG	GCT	CCT	GGA	GAT	CCT	CAA	GAA	384
125	385	P	Q	N	N	A	H	R	D	K	E	G	D	D	Q	S	H	140
		CCC	CAG	AAT	AAT	GCC	CAC	AGG	GAC	AAA	GAA	GGG	GAT	GAC	CAG	AGT	CAT	432
141	433	W	R	Y	G	G	D	P	P	W	P	R	V	S	P	A	C	156
		TGG	CGC	TAT	GGA	GGC	GAC	CCG	CCC	TGG	CCC	CGG	GTG	TCC	CCA	GCC	TGC	480
157	481	A	G	R	F	Q	S	P	V	D	I	R	P	Q	L	A	A	172
		GCG	GGC	CGC	TTC	CAG	TCC	CCG	GTG	GAT	ATC	CGC	CCC	CAG	CTC	GCC	GCC	528

FIG. 1A

173 F C P A L R P L E G L L G F Q L P 188
 529 TTC TGC CCG GCC CTG CGC CCC CTG GAA CTC CTG GGC TTC CAG CTC CCG 576
 189 P L P E L R L R N N G H S V Q L 204
 577 CCG CTC CCA GAA CTG CGC CTG CGC AAC AAT GGC CAC AGT GTG CAA CTG 624
 205 T L P P G L E M A L G P G R E Y 220
 625 ACC CTG CCT CCT GGG CTA GAG ATG GCT CTG GGT CCC GGG CGG GAG TAC 672
 221 R A L Q L H L H W G A A G R P G 236
 673 CGG GCT CTG CAG CTG CAT CTG CAC TGG GGG GCT GCA GGT CGT CCG GGC 720
 237 S E H T V E G H R F P A E I H V 252
 721 TCG GAG CAC ACT GTG GAA GGC CAC CGT TTC CCT GCC GAG ATC CAC GTG 768
 253 V H L S T A F A R V D E A L G R 268
 769 GTT CAC CTC AGC ACC GCC TTT GCC AGA GTT GAC GAG GCC TTG GGG CGC 816
 269 P G G L A V L A A F L E E G P E 284
 817 CCG GGA GGC CTG GCC GTG TTG GCC TTT CTG GAG GAG GGC CCG GAA 864
 285 E N S A Y E Q L L S R L E E I A 300
 865 GAA AAC AGT GCC TAT GAG CAG TTG CTG TCT CGC TTG GAA GAA ATC GCT 912
 301 E E G S E T Q V P G L D I S A L 316
 913 GAG GAA GGC TCA GAG ACT CAG GTC CCA GGA CTG GAC ATA TCT GCA CTC 960
 317 L P S D F S R Y F Q Y E G S L T 332
 961 CTG CCC TCT GAC TTC AGC CGC TAC TTC CAA TAT GAG GGG TCT CTG ACT 1008
 333 T P P C A Q G V I W T V F N Q T 348
 1009 ACA CCG CCC TGT GCC CAG GGT GTC ATC TGG ACT GTG TTT AAC CAG ACA 1056

349 V M L S A K Q L C H E T T L E S G D T L W 364
1057 GTG ATG CTG AGT GCT AAG CAG CTC CAC ACC CTC TCT GAC ACC CTG TGG 1104

365 G P G D S R L Q L N F R A T Q P 380
1105 GGA CCT GGT GAC TCT CGG CTA CAG CTG AAC TTC CGA GCG ACG CAG CCT 1152

381 L N G R V I E A S F P A G V D S 396
1153 TTG AAT GGG CGA GTG ATT GAG GCC TCC TTC CCT GCT GGA GTG GAC AGC 1200

397 S P R A A E P V Q L N S C L A A 412
1201 AGT CCT CGG GCT GCT GAG CCA GTC CAG CTG AAT TCC TGC CTG GCT GCT 1248

413 G D I L A L V F G L L F A V T S 428
1249 GGT GAC ATC CTA GCC CTG GTT TTT GGC CTC CTT TTT GCT GTC ACC AGC 1296

429 V A F L V Q M R R Q H R R G T K 444
1297 GTC GCG TTC CTT GTG CAG ATG AGA AGG CAG CAC AGA AGG GGA ACC AAA 1344

445 G G V S Y R P A E V A E T G A * 460
1345 GGG GGT GTG AGC TAC CGC CCA GCA GAG GTA GCC GAG ACT GGA GCC TAG 1392

1393 AGG CTG GAT CTT GGA GAA TGT GAG AAG CCA GCC AGA GGC ATC TGA GGG 1440

1441 GGA GCC GGT AAC TGT CCT GTC CTC ATT ATG CCA CTT CCT TTT AAC 1488

1489 TGC CAA GAA ATT TTT TAA AAT AAA TAT TTA TAA T 1522

3/16

FIG._1C

FIG._1

FIG._1A

FIG._1B

FIG._1C

1 ggatcctgtt gactcgtgac cttaccoccca accctgtgtc cttctgaaca tgagctgtgt
 61 ccactcagg tttaatggat taaggcggtt gaaagtgtg ctttgttaa cagatgcttg
 121 agggcagat gtcgttaag agtcacacc aatcctaata ctcaagtaat cagggaaca
 181 aacactggg aaggcgcag ggtcctctgc ctaggaaaac cagagacctt tgttcaactg
 241 ttactctgac ctctcctcca ctattgtcca tgacctgcc aaatccctct ctgtgagaaa
 301 caccocagaa trctcaataa aaaaataaat taaaaaaa aatacaaaa aaaaaaaa
 361 aaaaaaaa gacttacgaa tagttattga taaatgaata gctattggtt aagccaagta
 421 aatgatcata tcaaaaaaca gaaggccatc atcagctc aagtcacct gatttgatct
 481 ctttactaat gtcattcttt ggaattcacta gattagtcac catctcaaa attctcccc
 541 aagttcfaat taagttccaa acatttaggg gttacatgaa ccttgaaacct actacctct
 601 ttgcttttga gcaatgagt gtaggaatga ttgatttaca gcttaccatc tggggattaa
 661 tttaaaactt aactctaagt cagttgggta gcccttggct tattttga gctaatttgg
 721 tagttaatgg atgcactgtg aatcttgcta tgcagtaatt gcttacctaa gacctaaagc cctattctc
 781 gggtagtag gtactcagtt ttcagtaatt gcttacctaa gacctaaagc cctattctc
 841 ttgtactggc ctttactctg aatatggca tatttaatac aataaattt ttggagtttt
 901 tttgtttgtt tgtttgttgg ttttttggag acggagtctt gcactgttca tggcaggct
 961 ggagtagcag tggtgccatc tcggctcaat gaaagctcca cctccgagt tcacgcatt
 1021 ttcctggctc agctcccca gtactcggga ctacaggcgc ccgccacct gccgggttaa
 1081 ttttttgtat ttttggtaga gaagggtttt cacogtgtta gccagaatgg tctcgatctc
 1141 ctgactcgtt gatccacccg cctcggcctc ccaagttctt gggattacag gtgtgagcca
 1201 ccgcacotgg ccaatttttt gactcttita agraataaat atgtcttga agctggtaac
 1261 tatggtaaat ttccttttat taatgtgggt ctgacgggtca tatagttctt tttgagtttg
 1321 gaatgcatat gtaacttttt gcagtccttt catcaattt ttctcttcc attgagag
 1381 catgttatat ctttttaggt cacttggctt aaaaggttct ctacttagcc taacacagt
 1441 tcaattgttg taocacttgg atcataatg gaaaaacagt caagaattg cacagtaata
 1501 cttgttttga agaggatga ttcaggtgaa tctgacacta agaaactccc ctacctgagg
 1561 tctgagattc ctctgacatt gctgtatata ggttttctct ttgacagcct gtgactgggg
 1621 actatttttc ttaagcaaga tatgctaaag ttttctgagc cttttccag agagagttct
 1681 catatctgca tcaagtgaga acataatacg tctgcatgtt tccatatttc aggaatgttt
 1741 gcttgtgttt tatgctttta tatagacagg gaaacttgtt cctcagtgac ccaaaagagg
 1801 tgggaattgt tatggatatt catcaattgg ccagcctttc tgacctgga acaaatgaag
 1861 ggttcataat ctcaattctg tcagaattgg tacaagaaat agctgctatg ttcttgaca
 1921 tccacttgg taggaaataa gaatgtgaaa ctcttcagtt ggtgtgtgtc cct?gtttt

1981 ttgcaaatctt ctcttacttg tgttaaaaaa aagtatgato ttgtctctgag aggtgaggca
 2041 ttcttaataca taattctttaa agatcaataa taatatcttt tcaaggatta tgcctttatt
 2101 ataataaagaa taatttggct taacagaat caataatata atcccttaaa gattatatc
 2161 ttgtctgggc gcagtggttc acactgtaa tccagcact ttgggtggcc aagtggaagc
 2221 gatcaaatctt gctactttct atattatctt ctaaagcaga attcatctct ctccctcaa
 2281 tatgatgata ttgacagggg ttgcctcac tcatagatt gtgagctoct gctcaggga
 2341 ggtagagttt ttgttttttg ttgtttttt tcttttttga gacaggtct tgcctgtga
 2401 ccagggcag agtgcattgg tacagtcca gctcactga cctcaaccg cctcgggtca
 2461 aaccatcatc ceatttcagc ctctcgagta gctggacta caggcacatg caattacacc
 2521 ttggtaattt ttgttatatt ctagttaga cagggtttgg ccattgtgcc cgtggctggtc
 2581 ttgaactoct ggaactcaagc aatccacca cctcagctc ccaaatgag gaccgtgtc
 2641 ttattcatctt ccagtctcct agtccatagc ccagtgctgg acctatgta gtactaata
 2701 aatatattgtt gaatgcaata gtaatatga tttcagggag caagaactag attaacaaa
 2761 gtggtaaaag gtttggagaa aaaaataa gtttaattg gctagagat gaggagagt
 2821 agtaggagac agatgggaaa ggtctcttgg gcaaggtttt gaaggagtt ggaagtca
 2881 agtacacaat gtgcatactg ttgcaggcag ttggggagcca atgaaggctt ttgagcagga
 2941 agtaaatgtg ttgaaaaata aatatagggt aaactatca gagccctctc gacacatac
 3001 ctgtcttttc attcaagctc aagtttgtc cccacatacc cattacttaa ctcacctcg
 3061 ggctccctca gaggctgoc ctacctctt accgtcttcc ttggtggagtc agggatgtat
 3121 acatgagctg ctttccctct cagccagagc acatgggggg cccagctcc cctgccttc
 3181 cctctctgtg cctggagctg ggaagcaggc cagggttagc tgaggctggc ttggcaagcag
 3241 ctgggtggtg ccaggggagag cctgcatagt gccagtggtt gcttgggtt ccaagctagt
 3301 cactggcccc gataaccttc tgcctgtgca cacactgcc cctcactcca cccactcct
 3361 agcttttgta ttggggagag ggacacaggg cagacaaac tgtgagact ttgctccatc
 3421 tctgcaaaag gggtctctgt gagtacgctt gctccctcc aggtctgctc ctccccacc
 3481 gagctctctt ttccaatgca cgtacagccc gtacacacg tgtgtctgga caccacacag
 3541 TCAGCCGCAAT GGCCTCCCTG TGCCCCAGCT CACTGGTCCC TCTGTGTGATC CCGCCCTCTG
 3601 CTCCAGGCCT CACTGTGCAA CTGTGCTGCT CACTGGTGTCT TCTGGTGGCT GTCCCTCCCC
 3661 AGAGGTTGCC CCGATGCAG GAGGATCCC CTTGGGAGG AGGCTCTCTT GGGGAAGATG
 3721 ACCCACTGGG CGAGGAGGAT CTGCCAGTG AAGGGATTC ACCCAGAGAG GAGATCCAC
 3781 CCGGAGAGA GGAFTCTACCT GGAGGAGGAG ATCTACTGG AGAGGAGAT CTACCTTGAAG
 3841 TTTAAGCTTAA ATCAAGAGAA GAGGCTCCC TGAAGTTAGA GGATCTACTT ACTTGTGAGG
 3901 CTCCTGGAGA TCTCTAAGAA CCCCAGAATA ATGCCACAG GGACAAAGAA Ggtaagtgg

3961 catcaatctc caaatccagg ttccaggagg ttcatgactc ccctccata cccagccta
 4021 ggctctgttc atccaggaa ttccaggagg cgtgactccc cacagaagcc ctccaggag
 4081 tcccatacca atatcccaat cccactctc ggagttagaa agggacagat gttccagaga
 4141 aataaaaaag gtgcaaaaag agagaggtga gctggtatgag atgggagaga aggggagga
 4201 tggagaagag aaagggatga gaactgcaga tgagagaaaa aatgtgcaga cagaggaaaa
 4261 aaataggtgg agagagagag tcagagagtt tgaggggaag agaaaaggaa agcttgggag
 4321 ttgaagtggg taccagagag aagcaagaag agctggtaga agtcatctca tcttaggcta
 4381 caatgagga ttgagacctc ggagaagagg acacagcagg tagagaacg tggcttcttg
 4441 actcccaagc caggaatttg gggaaaaggg ttggagacca tacaaaggcag aggatgagt
 4501 gggggagaga aagaaagggg aaagaaaaga tgggtgactc actcatttgg gactcaggac
 4561 tgaagtggcc actcaacttt tttttttttt tttttgagac aaactttcac ttttgttggc
 4621 cagggtggag tgaattggcg gcatctcgcc tcactgcaac ctccacctcc cgggttccag
 4681 tgattctctt gctcagcct ctagccaagt agctgcgatt acaggcaatgc gccaccaagc
 4741 cgggctaatt ttgtatttt tagtagagac ggggttttcg catgttggtc aggttggtct
 4801 ggaactcctg atctcagtg atccaaacc cctggcctcc caaagtgttg gaattatagg
 4861 cgtgagccac agcgcctggc ctgaagcagc cactcacttt tacagacctc aagacaatga
 4921 ttgcaagctg gtaggattgc tgtttggccc acccagctgc ggtgtgagt ttgggtgcgg
 4981 tctcctgtgc ttgcaacctg gccgccttaa ggcatttgtt acccgtaatg ctctgttaag
 5041 gcatctggtt ttgtgacatc gttttggtcg ccaggaaagg attggggctc taagcttgag
 5101 cggtttcacc ttctcattta tacaggggat GACCAGATC ATTGGCGTA TGGAGgtgag
 5161 aaccccaacc gctgcacaga ccaatcttgg gaaccagct ctgtggatct cccctacagc
 5221 cgtccctgaa catggttccc gggcgtccca cccgcgcgcc accgtccac cccctacct
 5281 ttctacccg ggtccctaa gttcctgacg taggcgtcag acttctcac tatactctc
 5341 caccacagc GACCCGCCCT GGCCCGGGT GTCCCGAGCC TGCCGCGGCC CCTTCCAGTC
 5401 CCGCGTGGAT ATCCGCCCC AGCTGCCCG CTTCGCCCC GCCTGCGCC CCGTGGAACT
 5461 CTTGGGCTTC CAGTCCCGC CGTCCCGA ACTGCCCTG CGCAACAATG GCCACAGTg
 5521 tgagggggtc tcccgcga gacttgggga tggggcgggg cgcagggaag ggaaccgtcg
 5581 cgcagtgctt gcccgggggt ttggcttgccc ctaccggggg gggccggctc acttgctct
 5641 cctacagag TGCAACTGAC CTGCTCTCT GGGCTAGAGA TGGCTCTGG TCCCGGGCGG
 5701 GAGTACCGGG CTCTGCAGCT GCATCTGCAC TGGGGGGCTG CAGGTCGTCC GGGCTCGGAG
 5761 CACACTGTgG AAGGCCACCG TTTCCTGCC GAGgtgagcg cggactggcc gagaagggc
 5821 aaaggagcgg ggcggacagg gtggcctct cctacctcg ttgcttttc
 5881 agATCCACgt GGTTCACCTC AGCACCGCCT TTGCCAGAGT TcACGAGGCC TTGGGGCGCC

102280.22243601
 102280.22243601

5941 CGGAGAGGCGCT GGCCCGTGTGTG GCGCCCTTTC TGGAGgtacc agatcctgga caccocctac
 6001 tccccgcctt ccatcccat gctcctccg gactctatcg ttgagccaga gaccccatcc
 6061 cagcaagtc actcaggcc ctggtcgaca aactcatcga cgcactgttt gttcatttaa
 6121 caccactgt gaaccaggca ccagccccc acaagattc tgaagtgta ggtccttggc
 6181 tctaaaggc ccacagccag tgggggagc tgacatgaca gacacatagg aaggacatag
 6241 taagaatggt tgcacagag gagtgacac ttaagcctt cactgtaga aaagaaagg
 6301 aggtgttcat tgcagagaa acagaatg caaagactca gaatatggc tatttagga
 6361 atggctacat acacatgat tagaggagg ccagttaaagg gaagggatgg tgaatgoot
 6421 gctaggttca ctactcact ttattttatt tattttattt tttagacagt tctctgtgc
 6481 ccaggcttga gtgacttgg gtcaatgcaa ctccgcctc ccgggttcaa
 6541 gggattctcc tgcctcaggt tctgagtag tccgggttac aggtgtgtgc caccatggcc
 6601 agctaaattt tttttgtatt tttagtagac aggttttcc catgttggtc aggtgggtct
 6661 caaactctg gctcaagtg atccgcctga ctacgctac caaagtgtg attacaagt
 6721 tgaagccacg tgcacagcca cactcactga tctttaatg ccagccacac agcacaagt
 6781 tcagagaat gctccatga tagcatgtca atatttcat actcttaggt tcatgatgtt
 6841 cttaacatta gtttcataag caaataaga aaaaagaata ataaataaaa gaagtggcat
 6901 gtcaggacct cacttgaaa gccaaacaca gaaatcatgaa ggtgaatgca gagtgacac
 6961 caacacaaag gtgtatatat ggtttcctgt gggggagtagt tacggaggca gaagtggc
 7021 agactgaaa cgtcagaagg gcacgggtca ctgagagcct agtatcctag taaagtggc
 7081 tctctccctc tctctcagc ttgtcatgga aaacagctcc accaagcttg ttggttcgca
 7141 cagcaagagt acatagagtt tgaataata catagattt taagaggag acactgtctc
 7201 taataaaaa acaacagca caacaaaa gcaacacca ttacaattt atgttccctc
 7261 agcatcttca gagctagga atggagagg actatgggaa ccccttcat gttccggcct
 7321 tcagccatgg ccttgatcac atgcactcat ctgtcttaca atgtcattcc ccagGAGGG
 7381 CCGGAGAGAA AACAGTGCTT ATGAGCAGTT GCTGTCGCTCG TTGGAAGAAA TCGCTGAGGA
 7441 AGctcagtt gttggtctgg ccactaatct ctgtggccta gttcataaag aatcacctt
 7501 tggagcttca gttcttaggc tggagatggg ctccctccag tgcaggaggg attgaagcat
 7561 gagccagcg tcatcttgat aataaccatg aagctgacag acacagtac ccgcaagg
 7621 ctgacctcac attgaaaaac agcaaaaa ccgggggac ggtggctcac gctgtaatc
 7681 ccagcactt gggaggccaa ggcagggtga tcacgaggtc aagagatcaa gaccatctg
 7741 gccaacatgg tgaaccccca tctctactaa aaatcacgaa aatagccag gctgtggc
 7801 ggtgtcctgt aatcccgat actcgggagg ctgagggcagg agaatggcat gaacccgga
 7861 ggcagaagtt gaagtgaacc gagatcgtgc cactgcactc cagcctgggc acagagagga

7921 gactcttgct tcaaaaaa aaaaaaaa gaaaccaag caaaaccaa aatgagacaa
 7981 aaaaaaag acaaaaaat ggtgtttgga aattgtcaa gtaagatctg gagagctaa
 8041 cttttctga gaactgttta tctttaataa gcatacaata tttaacttt gtaaatactt
 8101 ttgtttgaaa tggttctctt cttagtcaat tagaactctg ctttgcatt acttactcta
 8161 ctgagacctt taggtttctg ctgagactag tttaagaatt attcagatca tttttctt
 8221 gttttgtata gttatcaata ttoatatata ttttttaaat cttaagtaga gacagggttt cacaatattg
 8281 tttttttttt tttttttttt ttttttaaat cttaagtaga gacagggttt cacaatattg
 8341 gcaaggctgc tctcaaacct ctgaacctgt gatcaacag cctcgacct ccaaatgtct
 8401 gggattcaat tttctttttt aatttgtctt gggcttaaac ttgtggcca gaactttatg
 8461 atgtgtacaa ggtttaagag tgtagactca gacgtctttt ctcttctct tctcttctt
 8521 cttccactcc ctcccaacct cctctctct caaagcctt tactttttt ttctctctt ctgtctctt
 8581 caggccctct ccaagtgtct aagcctctt aagtttgtt agagttgagt tctgtggagt
 8641 agggcctgca cttagtgaag aagttgtctt ggaaggttga aggggttga atgtagatga gacccaaca
 8701 gaaactgtat cctataccc tgaagcttta aggggttga atgtagatga gacccaaca
 8761 tagatcctct tcaacagctc AGAGACTCAG GTCCAGGAC TGGACATATC TGCACTCCTG
 8821 CCTCTGACT TCAGCCGCTA GTTCCAATAT GAGGGTCTC TGACTACAC GCCTGTGCC
 8881 CAGGGTGCA TCTGGACTCT GTTTAACCA ACAGTGATGC TGAGTGCTAA GCAGTGGC
 8941 ctggggtgtg tftggacaca gtgggtgctg ggaagagg gctaagatg agatgagaa
 9001 caggagaaga agaaataca ggtgtggctc tgtgcttac gctataatc caaccactt
 9061 gggaggctga ggtgggagaa tggtttgagc ccaggagttc aagacaaggc gggcaactt
 9121 agtgtgacct catctctacc aaaaaaac cacaataacc aaaaatagcc gggcatggtg
 9181 gtatgggccc tagtcccagc tactcaagga ggtgaggtg ggaagatgc ttgattccag
 9241 agttttgaga ctgagctgag ctatgatccc accatgctt accatctta gatacattt
 9301 atttattat aaagaatac aagagctgg atgggaata caggagctgg aggttgagc
 9361 cctgaggtgc tggttgtgag ctggcctggg acccttgttt cctgtcatgc catgaacca
 9421 ccaactctgt ccaactgact ccttagctcc ACACCTCTC TGACACCTG TGGGACCTG
 9481 GTGACTCTG GCTACAGCT AACTCCGAG CGACGACGC TTTGAAATGG CGAGTGATG
 9541 AGCCCTCTT CCTGTGGA GTGACAGCA GTCTCGGG TCCTGAGCCA Ggtacagctt
 9601 tgtctggtt ccccccagc agtagtccc tatctccca tgtgtgtgc agtgtctgc
 9661 attggtgtc acagccgccc tctcacatct ctttttctc tccagTCCAG CTGAATTCCT
 9721 GCTGGCTGC Tggtgagct gccctctct tgtgtctga tggcaggaga ctctcaga
 9781 catctagcc cagggtgc ctgagacct ctctgtccc tctcttttc tgcagaacag
 9841 aocccaaacc caatattaga gaggcagatc atggtgggga tttcccatt gtccccagag

9901 gctaattgat tagaatgaag cttgagaat ctccagcat cccctcgcga aaagaatccc
 9961 cccccctttt ttcaagata gggctctcact ctgtttgccc caggctgggg tgttgtggca
 10021 cgatcatagc tcactgcagc ctggaactcc taggttcagg taggttcagg caatcccttc acottagctt
 10081 ctcaaaagac tgggactgta ggcattgagcc actgtgcctg gccccaaacg gcccttttac
 10141 ttggctttta ggaagcaaaa acggtgctta tcttaccctt tctcgtgtat ccacctcat
 10201 cacttgctg gccctcttcg gagactgagg cactatgggg ctgacctgaga actcggggca
 10261 ggggtgggtg agtgcactga ggcagggtgt gaggactct gcagacctct ctccctccc
 10321 aaagcagccc tctctgctct ccattgcagg TGACATCCTA GCCCTGGTCTT TTGGCCTCCT
 10381 TTTTGTCTGC ACCAGCGTCG CGTTCCCTTGT GCAGATGAGA AGGCAGCACA Ggtattacac
 10441 tgaccttttc ttcaggcaca agcttcccc acccttgttg agtcacttca tgcaaaagcg
 10501 atgcaaatga gctgctcctg ggcagtttt ctgattagcc ttctcgtgtg tgtacacaca
 10561 gAAGGGGAAC CAAAGGGGT GTGAGCTACC GCCCAGCAGA GGTAGCCGAG ACTGGAGCCT
 10621 AGAGGCTGGA TCTTGGAGAA TGTGAGAAGC CAGCCAGAGG CATCTGAGGG GGAGCCGCTA
 10681 ACTGTCCCTGT CCTGTCTCATT ATGCCACTTC CTTTAACTG CCAAGAAAT TTTTAAATA
 10741 AATATTATATA Aaaaaatag tgttagtcac ctgtgttccc caaatcagaa ggaggtattt
 10801 gaatttcccta ttaactgttat tagcaccaat ttagtggtaa tgcatttatt ctattacagt
 10861 tgggctcctt tccacacatc actccaatgt gtgctccc

FIG._2F

FIG. 2A

FIG. 2B

FIG. 2C

FIG. 2D

FIG. 2E

FIG. 2F

FIG._2

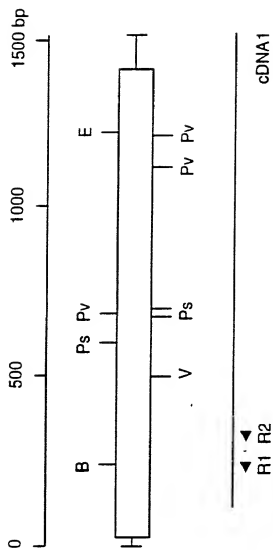


FIG..3

5' MN Genomic Region

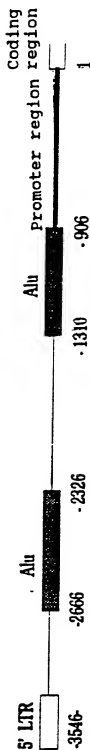


FIG._4



-506 CTTGCTTTTC ATTCAAGCTC AAGTTTGCTC CCACATACC CATTAATAA CTCACCCCTCG

-446 GGCTCCCCTA GCAGCTGCC CTACCTCTTT ACCTGCTTCC TGGTGGAGTC AGGATGTAT
AP2

-386 ACATGAGCTG CTTTCCCTCT CAGCCAGAGG ACATGGGGGG CCCAGAGTCC CCTGCCCTTTC

-326 CCCTTCTGTG CCTGGAGCTG GGAAGCAGGC CAGGGTTAGC TGAGGCTGGC TGGCAAGCAG

-266 CTGGGTGGTG CCAGGGAGAG CCTGCATAGT GCCAGGTGGT GCCTTGGGTT CCAAGCTAGT
p53
VII

-206 CCATGGCCCC GATAACCTTC TGCCTGTGCA CACACCTGCC CCTCACTCCA CCCCATCCT
Inr V

-146 AGCTTTGGTA TGGGGGAGAG GGCACAGGGC CAGACAAACC TGTGAGACTT TGGCTCCATC
AP1 III Inr
IV

-86 TCTGCAAAAG GGCGCTCTGT GAGTCAGCCT GCTCCCTCCTC AGGCTTGCTC CTCCCCCACC
II AP1 p53 I AP2

-26 CAGCTCTCGT TTCCAATGCA CGTACAGCCC GTACACACCG TGTGCTGGGA CACCCACAG
...

FIG._6

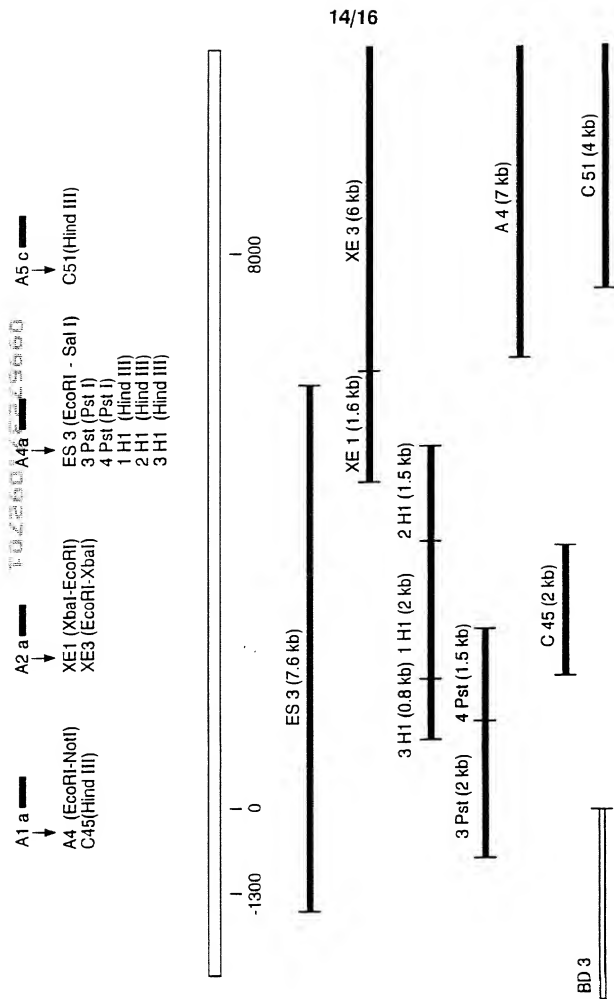
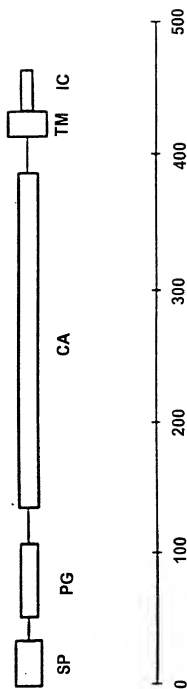
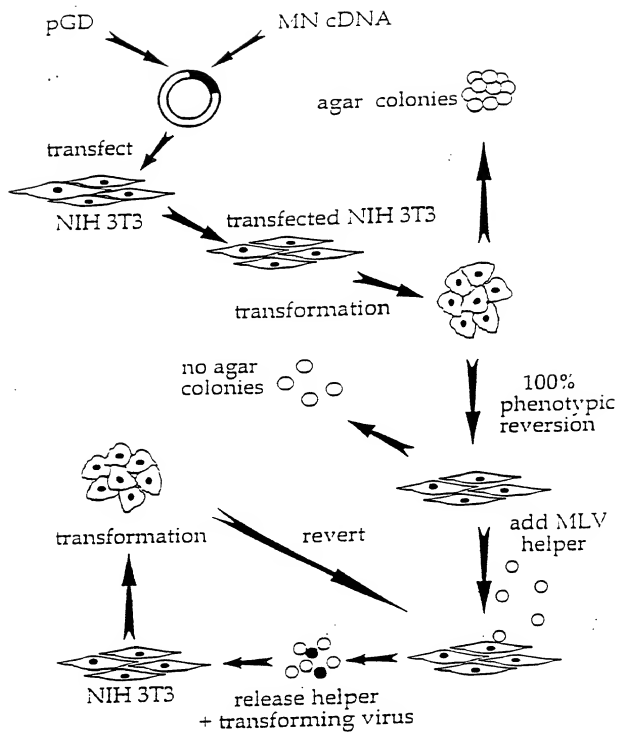


FIG. 7

**FIG. 8**

**FIG._9**